

**Manchester Water Works
Finished Water Quality Information**

Ia. Regulated Health Related Contaminants

<u>Contaminant</u>	<u>Maximum Contaminant Level</u>	<u>MWW Level</u>	<u>Units</u>
a. Microbiological			
Total coliform	A	A	A/P
Fecal coliform	A	A	A/P
b. Clarity			
Turbidity	0.5	0.06	NTU
c. Inorganic			
Arsenic	0.05	nd	mg/l
Asbestos	7	nd	mfl
Barium.....	2.0	0.01	mg/l
Cadmium.....	0.005	nd	mg/l
Chromium	0.1	nd	mg/l
Copper.....	1.3*	0.07	mg/l
Fluoride.....	4.0	1.0	mg/l
Lead.....	0.015*	0.0141	mg/l
Mercury.....	0.002	nd	mg/l
Nitrate (as N)	10	<0.005	mg/l
Nitrite (as N)	1	nd	mg/l
Selenium	0.05	nd	mg/l
d. Volatile Organics			
Benzene.....	0.005	nd	mg/l
Carbon tetrachloride	0.005	nd	mg/l
1,2 dichloroethane.....	0.005	nd	mg/l
Trichloroethylene.....	0.005	nd	mg/l
Paradichlorobenzene	0.075	nd	mg/l
1, 1 dichloroethylene.....	0.007	nd	mg/l
1, 1, 1 trichloroethane	0.2	nd	mg/l
Vinyl chloride	0.002	nd	mg/l
Cis 1, 2 dichloroethylene	0.07	nd	mg/l
1, 2 dichloropropane	0.005	nd	mg/l
Ethylbenzene.....	0.7	nd	mg/l
Monochlorobenzene.....	0.1	nd	mg/l
O-Dichlorobenzene	0.6	nd	mg/l
Styrene	0.1	nd	mg/l
Thetrachloroethylene	0.005	nd	mg/l
Toluene	1	nd	mg/l
Trans 1, 2 dichloroethylene	0.1	nd	mg/l
Xylene, Total	10	nd	mg/l

* Denotes Action Level

Ib. Regulated Health Related Contaminants - continued

<u>Contaminant</u>	<u>Maximum Contaminant Level</u>	<u>MWW Level</u>	<u>Units</u>
e. Radionuclides			
Gross Alpha	15	1	pCi/l
Gross Beta	4 mrem/yr	1.65	pCi/l
Radium 226 and 228	5	<1	pCi/l
Strontium 90.....	8	0.7	pCi/l
Tritium	20,000	110	pCi/l
f. Disinfectants By-products			
Total Trihalomethanes	0.080	0.0424	mg/l
Haloacetic Acid.....	0.060	0.0172	mg/l
g. Synthetic Organics			
Endrin.....	0.002	nd	mg/l
Lindane	0.0002	nd	mg/l
Methoxychlor.....	0.04	nd	mg/l
Pentachlorophenol	0.001	nd	mg/l
Polychlorinated Biphenyls.....	0.0005	nd	mg/l
Toxaphene.....	0.003	nd	mg/l
2,4,5 TP (Silvex).....	0.05	nd	mg/l
2,4 D.....	0.07	nd	mg/l
h. Other Synthetic Organics			
Benz(a)anthracene	0.0001	nd	mg/l
Benzo(a)pyrene	0.0002	nd	mg/l
Benzo(b)Fluoranthene	0.0002	nd	mg/l
Benzo(K)Fluoranthene.....	0.0002	nd	mg/l
Butylbenzylphthalate	0.007	nd	mg/l
Chrysene	0.0002	nd	mg/l
Dibenz(a,h)anthracene	0.0003	nd	mg/l
Di (ethylhexyl) phatalate	0.006	nd	mg/l
Hexachlorobenzene.....	0.001	nd	mg/l
Hexachlorocyclopentadiene.....	0.05	nd	mg/l
Indenopyrene	0.0004	nd	mg/l

II. Regulated Secondary Contaminants Aesthetic Qualities

<u>Contaminant</u>	<u>Maximum Contaminant Level</u>	<u>MWW Level</u>	<u>Units</u>
Aluminum	0.05	0.05 - 0.10	mg/l
Chloride	250	35	mg/l
Color	15	1	units
Foaming Agents (MBAS)	0.5	0.1	mg/l
Iron	0.3	0.1	mg/l
Manganese	0.05	<0.005	mg/l
Odor	3	nd	threshold
pH	6.5 - 8.5	7.5 - 8.0	mg/l
Silver	0.01	< 0.05	mg/l
Sulfide	0.05	< 0.005	mg/l
Sulfate	500	8.5	mg/l
Total Dissolved Solids	500	90	mg/l
Zinc	5	0.5	mg/l
Sodium	100 - 250	22	mg/l

III. Unregulated Contaminants

a. Unregulated Organics

Chloroform	0.036	mg/l
Bromobenzene	nd	mg/l
Bromodichloromethane	0.0063	mg/l
Bromoform	nd	mg/l
Bromomethane	nd	mg/l
Chlorobenzene	nd	mg/l
Chlorodibromomethane	nd	mg/l
Chloroethane	nd	mg/l
Chloromethane	nd	mg/l
o-Chlorotoluene	nd	mg/l
p-Chlorotoluene	nd	mg/l
Dibromomethane	nd	mg/l
1,2-Dibromo-3-Chloropropane	nd	mg/l
m-Dichlorobenzene	nd	mg/l
Dichloromethane	nd	mg/l
1,1-Dichloroethane	nd	mg/l
1,2 Dichloropropane	nd	mg/l
1,3-Dichloropropane	nd	mg/l
2,2-Dichloropropane	nd	mg/l
1,1-Dichloropropene	nd	mg/l
1,3-Dichloropropene	nd	mg/l
1,1,2,2-Tetrachloroethane	nd	mg/l
1,1,1,2-Tetrachloroethane	nd	mg/l
1,1,2-Trichloroethane	nd	mg/l
1,2,3-Trichloropropane	nd	mg/l

* Denotes Action Level

III. Unregulated Contaminants - continued

<u>Contaminant</u>	<u>Maximum Contaminant Level</u>	<u>MWW Level</u>	<u>Units</u>
b. Unregulated radionuclides			
Radon		<100	pCi/l
Uranium		nd	pCi/l
c. Unregulated Secondary Contaminants			
Alkalinity		7.0	mg/l
Chlorine (free).....		1.0	mg/l
Calcium Hardness		4.0	mg/l
Total Hardness		16	mg/l
Orthophosphate.....		1.0	mg/l
Specific Conductance		130 - 170	uMho/cm

Key to Abbreviations

- MCL** Maximum Contaminant Level — State of NH Department of Environmental Services
- MWW Level** Typical level of each contaminant in Manchester Water Works drinking water
- Units** The scientific unit of measure
- nd or nd <**..... Not detected or below detection limits, respectively
- mg/l**..... Milligrams per liter or parts per million
- ntu**..... Nephelometric turbidity units — a measure of clarity
- pCi/l**..... Picocuries per liter — a measure of radioactivity
- uMho/cm** Micromhos per centimeter — a measure of electrical conductivity
- A or P**..... Absence or Presence of bacteria with no more than 5% of samples being positive
- Mfl**..... Million Asbestos fibers per liter